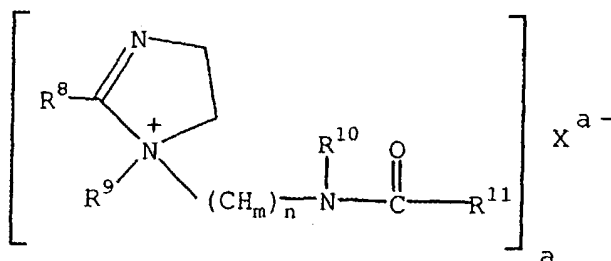


What is claimed is:

1. A mixed composition comprising: a mixture of dialkyl imidazoline quats of the formula (II):



(II)

wherein X is a salt-forming anion selected from the group consisting of chloride, bromide, iodide, fluoride, sulfate, methyl sulfate, methanbenzylsulfonate, phosphate, nitrite, nitrate, carboxylate, and mixtures thereof;

a is the ionic charge of X;

n is 1, 2 or 3;

m is 1 or 2;

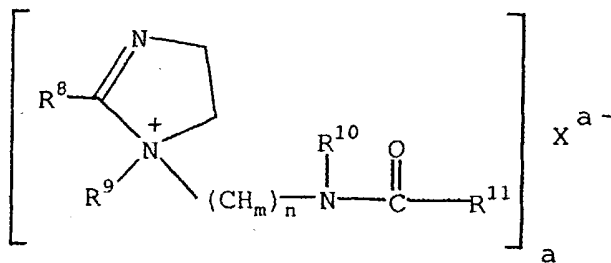
What are these elements?
R⁹ is a C₁-C₆ alkyl group or a benzyl group, either of which may be substituted or unsubstituted;

R¹⁰ is hydrogen or a C₁-C₆ alkyl group which may be saturated or unsaturated and may be hydroxy substituted; and

R⁸ and R¹¹ may be the same or different and at least 50% of said R⁸ and R¹¹ groups of said mixture are C₁₇-C₃₅ alkyl groups which may be straight, branched or cyclized, may be saturated or unsaturated and may be hydroxy substituted or unsubstituted.

2. The mixed composition of claim 1, wherein R⁸ and R¹¹ may be the same or different and at least 70% of said R⁸ and R¹¹ groups of said mixture are C₁₇-C₃₅ alkyl groups which may be straight, branched or cyclized, may be saturated or unsaturated and may be hydroxy substituted or unsubstituted.

3. A mixed composition comprising: a mixture of dialkyl imidazoline quats of the formula (II):



(II)

wherein X is a salt-forming anion selected from the group consisting of chloride, bromide, iodide, fluoride, sulfate, methyl sulfate, methanobenzyisulfonate, phosphate, nitrite, nitrate, carboxylate, and mixtures thereof;

a is the ionic charge of X;

n is 1, 2 or 3;

m is 1 or 2;

R⁹ is a C₁-C₆ alkyl group or a benzyl group, either of which may be substituted or unsubstituted;

R¹⁰ is hydrogen or a C₁-C₆ alkyl group which may be saturated or unsaturated and may be hydroxy substituted; and

wherein for at least about 30% of said dialkyl imidazoline quats both R⁸ and R¹¹ are alkyl groups of at least 19 carbons in length which may be straight, branched or cyclized, may be saturated or unsaturated and may be hydroxy substituted or unsubstituted.

4. The mixed composition of claim 3, wherein at least 30% of both R⁸ and R¹¹ are C₁₉-C₂₉ alkyl groups which may be straight, branched or cyclized, may be saturated or unsaturated and may be hydroxy substituted or unsubstituted.

5. The mixed composition of claim 4, wherein at least 30% of both R⁸ and R¹¹ are C₁₉-C₂₆ alkyl groups which may be straight, branched or cyclized, may be saturated or unsaturated and may be hydroxy substituted or unsubstituted.

6. The mixed composition of claim 4, wherein for at least about 40% of said dialkyl imidazoline quats both R⁸ and R¹¹ are C₁₉-C₂₉ alkyl groups which may be straight, branched or

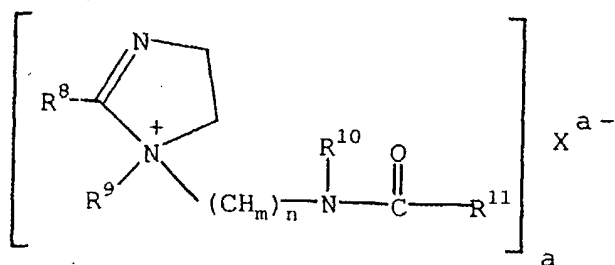
cyclized, may be saturated or unsaturated and may be hydroxy substituted or unsubstituted.

7. The mixed composition of claim 6, wherein for at least about 50% of said dialkyl imidazoline quats both R^8 and R^{11} are C_{19} - C_{29} alkyl groups which may be straight, branched or cyclized, may be saturated or unsaturated and may be hydroxy substituted or unsubstituted.

8. A cosmetic or personal care product comprising:

at least one active ingredient in an amount of between about 0.1 and 80% by weight of said product, said active ingredient being a sunscreen, a pigment, a moisturizer, a film former, a detergent, a surfactant, a thickening agent, an emulsifier, an antiseptic agent, a conditioner or a deodorant;

a mixture including at least two dialkyl imidazoline quats said dialkyl imidazoline quats having a structure of the formula (II):



(II)

wherein X is a salt-forming anion selected from the group consisting of chloride, bromide, iodide, fluoride, sulfate, methyl sulfate, methanobenzyisulfonate, phosphate, nitrite, nitrate, carboxylate, and mixtures thereof;

a is the ionic charge of X;

n is 1, 2 or 3;

m is 1 or 2;

R^9 is a C_1 - C_6 alkyl group or a benzyl group, either of which may be substituted or unsubstituted;

R^{10} is hydrogen or a C_1 - C_6 alkyl group which may be saturated or unsaturated and may be hydroxy substituted; and

9. The cosmetic or personal care product of claim 8 wherein R⁸ and R¹¹ may be the same or different and at least 70% of said R⁸ and R¹¹ groups of said mixture are C₁₇-C₃₅ alkyl groups which may be straight, branched or cyclized, may be saturated or unsaturated and may be hydroxy substituted or unsubstituted.

9. The cosmetic or personal care product of claim 8 wherein R⁸ and R¹¹ may be the same or different and at least 70% of said R⁸ and R¹¹ groups of said mixture are C₁₇-C₃₅ alkyl groups which may be straight, branched or cyclized, may be saturated or unsaturated and may be hydroxy substituted or unsubstituted.

at least one active ingredient in an amount of between about 0.1 and 80% by weight of said product, said active ingredient being a sunscreen, a pigment, a moisturizer, a film former, a detergent, a surfactant, a thickening agent, an emulsifier, an antiseptic agent, a conditioner or a deodorant;

at least one active ingredient in an amount of between about 0.1 and 80% by weight of said product, said active ingredient being a sunscreen, a pigment, a moisturizer, a film former, a detergent, a surfactant, a thickening agent, an emulsifier, an antiseptic agent, a conditioner or a deodorant;

$$\left[\begin{array}{c} \text{R}^8 \\ \diagdown \\ \text{N}^+ \\ / \quad | \\ \text{R}^9 \quad (\text{CH}_m)_n - \text{N}(\text{R}^{10}) - \text{C}(=\text{O}) - \text{R}^{11} \end{array} \right] \text{X}^-$$

wherein X is a salt-forming anion selected from the group consisting of chloride, bromide, iodide, fluoride, sulfate, methyl sulfate, methanebenzylsulfonate, phosphate, nitrite, nitrate, carboxylate, and mixtures thereof;

n is 1, 2 or 3;

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R⁹ is a C₁-C₆ alkyl group or a benzyl group, either of which may be substituted or unsubstituted;

R¹⁰ is hydrogen or a C₁-C₆ alkyl group which may be saturated or unsaturated and may be hydroxy substituted; and

wherein for at least about 30% of said dialkyl imidazoline quats both R⁸ and R¹¹ are alkyl groups of at least 19 carbons in length which may be straight, branched or cyclized, may be saturated or unsaturated and may be hydroxy substituted or unsubstituted.

11. The cosmetic or personal care product of claim 10 wherein for at least about 40% of said dialkyl imidazoline quats both R⁸ and R¹¹ are C₁₉-C₂₉ alkyl groups which may be straight, branched or cyclized, may be saturated or unsaturated and may be hydroxy substituted or unsubstituted.

12. The cosmetic or personal care product as in claims 8,9,10 or 11 wherein said mixture of at least two dialkyl imidazoline quats is provided in an amount such as that said quat mixture has a cationic activity in the product of between about 0.5 and about 20%.

13. The cosmetic or personal care product of claim 12 wherein said mixture of at least two dialkyl imidazoline quats is provided in an amount such as that said quat mixture has a cationic activity in the product of between about 0.5 and about 10%.

14. The cosmetic or personal care product as in claims 8,9,10 or 11 further comprising up to about 98% of a solvent.

15. The cosmetic or personal care product as in claims 8,9,10 or 11 wherein said solvent includes water.

16. The cosmetic or personal care product as in claims 8,9,10 or 11 wherein said product is a personal care product selected from a shampoo, conditioner, cream rinse or sunscreen and mixtures thereof.

NAB